Fig. 1

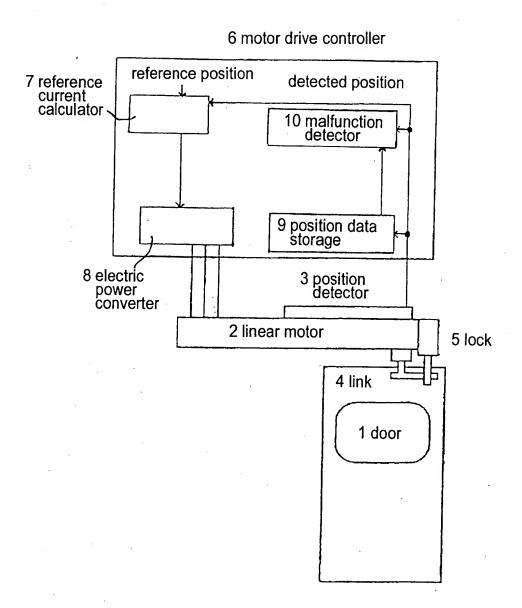
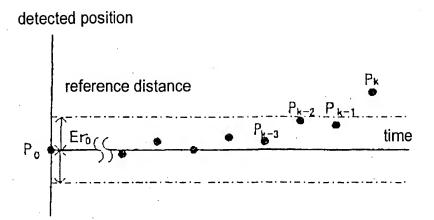


Fig. 2



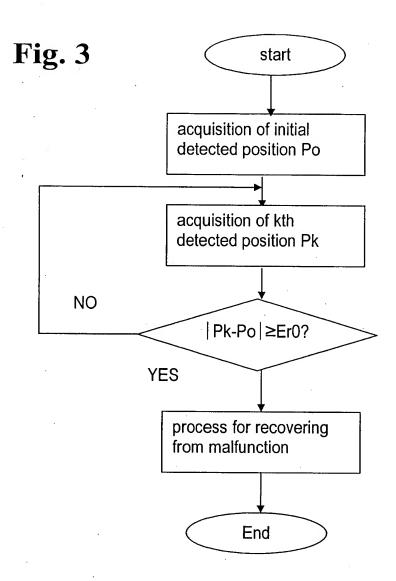
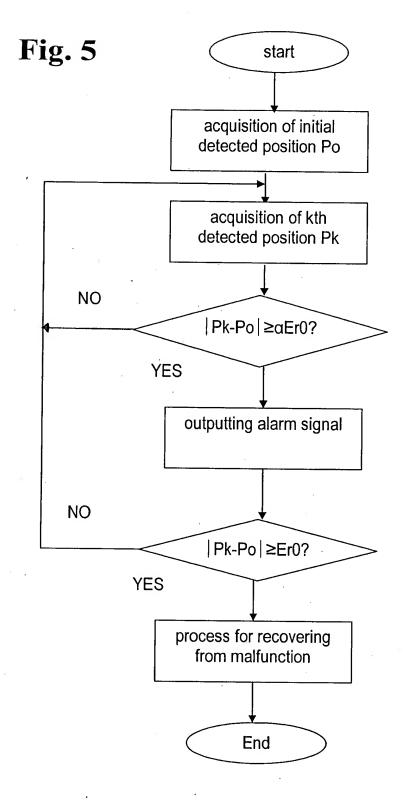


Fig. 4

reference position 7 reference current calculator 11 alarm generator 8 electric power converter 9 position data storage 3 position detector 2 linear motor 5 lock



 $\beta \beta = \pm 11$

Fig. 6

6 motor drive controller

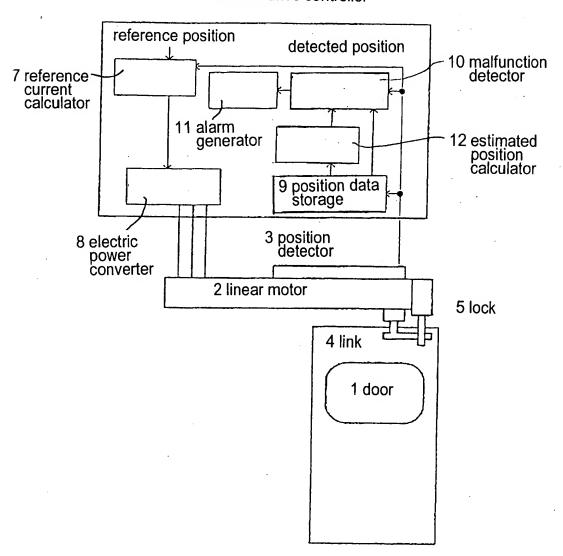


Fig. 7

detected position

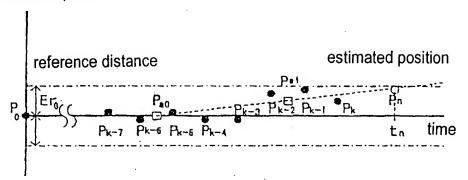


Fig. 8

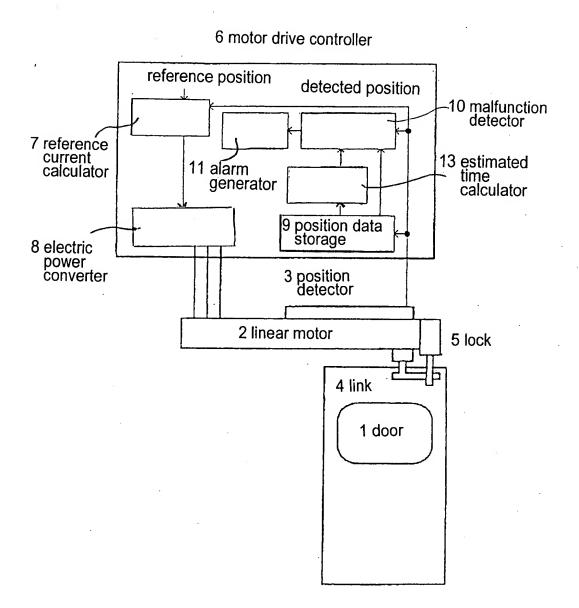


Fig. 9 Prior Art

6 motor drive controller

